005/886

. 1	KATHRYN L. GERLA, WSBA #17498 Assistant Attorney General	
2	Attorney General of Washington Ecology Division	
. 3	P.O. Box 40117	FILED IN THE
4	Olympia, WA 98504-0117 (360) 459-6320	U.S. DISTRICT COURT EASTERN DISTRICT OF WASHINGTON
5	(500) 455-0520	SEP 3 0 1999
6		JAMES R. LARSEN, CLERK
7	UNITED STATES DI	STRICT COURT RICHLAND
. 8	EASTERN DISTRICT (OF WASHINGTON
9	STATE OF WASHINGTON,	
10	DEPARTMENT OF ECOLOGY,	NO. CT-99-5076-EFS
11	Plaintiff,	NO. 01-99-2016-EFS
12		CONSENT DECREE
12	V.	
	UNITED STATES DEPARTMENT OF ENERGY,	· · · · · · · · · · · · · · · · · · ·
14		
15	Defendant.	
16		
· 17	I. INTRO	DUCTION
18	WHEREAS, Plaintiff State of Washi	ington, Department of Ecology ("State")
19	has alleged violations of the Hanford Feder	ral Facility Agreement and Consent
20	Order by Defendant United States Departm	nent of Energy ("DOE"); and
21	WHEREAS, on May 15, 1989, DOE	and the Washington Department of
22	Ecology entered into the Hanford Federal I	Facility Agreement and Consent Order
23	("HFFACO"). One of the requirements of	the HFFACO is that DOE remove
24	liquid waste from several large undergroun	ad single-shell storage tanks located at
25	DOE's Hanford site. Pumping high-level 1	radioactive waste from single-shell
26	tanks into double-shell tanks poses many t	echnical and safety challenges. A
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SEP 2.8 :599	CONSENT DECREE - 1	ATTORNEY GENERAL OF WASHINGTON Ecology Division PO Box 40117
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number of these challenges have arisen since the HFFACO was signed. DOE has
previously requested and the State has agreed to a number of schedule extensions
using procedures specified in the HFFACO. The original schedule in the
agreement called for pumping the liquid radioactive hazardous waste out of the
tanks by 1995. Thereafter, the schedule has been extended several times. The
most recent schedule called for the completion of tank pumping by September 30,
2000; and

WHEREAS, to date, approximately 45% of the liquid wastes originally 8 stored in single-shell tanks have been pumped into double-shell tanks since the 9 tank pumping program began in 1976. The HFFACO contains milestones for 10 transferring the remaining liquid wastes from single-shell tanks into double-shell 11 tanks. Interim milestones M-41-22 and M-41-23 required that pumping be 12 initiated for 6 tanks by September 30, 1997, and for 8 more tanks by March 31, 13 1998. DOE did not meet either of these two milestones, and believes that it will 14 not meet the remainder of the tank pumping milestones; and 15

WHEREAS, the parties wish to resolve this action without litigation and 16 have, therefore, agreed to entry of this Consent Decree without adjudication of the 17 issues contained herein. This Decree is filed to resolve potential litigation between 18 the State and DOE regarding the missed milestones as well as all other remaining 19 milestones in the HFFACO in the interim stabilization series (M-41) and to 20 establish a judicially enforceable schedule for pumping liquid radioactive 21 hazardous waste from single-shell tanks as identified in the schedule in 22 Section IV-A. 23

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NOW THEREFORE, it is hereby ordered, adjudged, and decreed as follows:

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II. JURISDICTION

The Court has jurisdiction over the subject matter and the parties to this
Decree. Venue is proper in the United States District Court for the Eastern
District of Washington.

The State of Washington, Department of Ecology enters into this Decree
pursuant to Chapter 70.105 RCW and the Resource Conservation and Recovery
Act, 42 U.S.C. §§ 6901 et seq.

8 The United States Department of Energy enters into this Decree pursuant to
9 42 U.S.C. §§ 6901 et seq.

III. PARTIES BOUND

This Decree applies to and is binding upon the United States Department of Energy, the State of Washington, Department of Ecology, and their successors. DOE remains obligated by this Decree regardless of whether it carries out the terms through agents, contractors, and/or consultants.

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IV. WORK TO BE PERFORMED AND SCHEDULE

A. Liquid waste in Hanford's single-shell tanks shall be removed from the single-shell tanks and stored in double-shell tanks according to the schedule set forth in Attachment A to this Decree. The schedule in Attachment A is hereby incorporated by reference into this Decree and is an integral and, with the exception of the projected pumping completion dates, enforceable part of the Decree.

B. <u>Reporting</u>: DOE shall, on a quarterly basis, submit to Ecology a
written report documenting tank stabilization activities that occurred during the
period covered by the report. This written report shall provide the status of
progress made during the reporting period and shall include:

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1. A brief description of project accomplishments and project issues encountered during the reporting period and/or expected in the next six months;

2. A definitive statement describing whether or not DOE remains in compliance with the schedule set forth in Section IV-A;

3. Where applicable, a description of actions initiated or otherwise taken to recover any schedule slippage;

4. Budget/cost status; and

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 Copies of written directives given by DOE to the contractor(s) for work required by this Decree.

In the event DOE determines that it is unable to meet the schedule as required in
Section IV-A, it shall notify Ecology as set forth in Section VI.

V. ACCESS

Without limitation on any authority conferred on it by law, Ecology shall 15 have authority to enter the Hanford Site at all reasonable times for the purposes of, 16 among other things: (1) inspecting records, operating logs, contracts and other 17 documents relevant to the implementation of this Decree, subject to Article XLV 18 of the HFFACO; (2) reviewing the progress of DOE in implementing this Decree; 19 (3) conducting such tests as Ecology deems necessary regarding the interim 20 stabilization project (provided that such tests do not interfere with DOE's ability-21 to meet the schedule); and (4) verifying data relating to interim stabilization 22 submitted to Ecology by DOE. DOE shall honor all requests for access by 23 Ecology's representatives, conditioned only upon proof of such status, and 24 conformance with Hanford Site safety and security requirements. Ecology's 25 representatives shall minimize interference with operations while on the Hanford 26

Site. DOE reserves the right to require Ecology's representatives to be
 accompanied by an escort while on the Hanford Site. DOE shall provide escorts in
 a timely manner.

VI. AMENDMENT OF DECREE

A. <u>Amendment Process</u>.

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1. This Decree may be amended by mutual agreement of the State and DOE upon approval by the Court. The party proposing the amendment shall provide the proposal in writing to the other party, along with a justification for the amendment. Proposals to amend the schedule shall be submitted in accordance with, and shall be evaluated under the criteria described in, paragraphs B through G, below. Within ten (10) working days of receipt (except as provided in Section VI-F), the other party shall notify the party proposing the amendment whether or not the amendment is acceptable.

a. If the amendment is acceptable, then the State shall determine, in its sole discretion, whether the amendment constitutes a significant modification to the Consent Decree. If the amendment is significant, then the State and DOE shall take public comment on the amendment. Unless public comments disclose facts or considerations which indicate the amendment is inappropriate, the parties shallsubmit the amendment to the Court for its approval. If, in the view of either party, public comments disclose facts or considerations which indicate that the amendment is inappropriate, and if the parties are unable to agree on revisions to the proposed amendment to address

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the concerns raised during the public comment period, then the provisions of Section VI-A-1-b shall apply.

b. If the amendment is not acceptable to the other party, the other party shall explain in writing its reasons for disapproving the amendment. In such an event, the party proposing the amendment may invoke the dispute resolution procedures of this Decree.

2. The time periods in Section VI may be extended by mutual agreement of the parties.

B. <u>Amendment of Schedule</u>. The schedule in Section IV-A shall be
amended only if (1) a request for amendment is timely, and (2) good cause exists
for the amendment.

C. <u>Timeliness</u>. To be timely, a request must be submitted to the other party either (1) when it is DOE requesting the schedule amendment, within ten (10) working days of a determination by DOE that it is unable to meet the deadline for which the amendment is sought; and (2) when it is the State requesting the schedule amendment, within ten (10) working days of a determination that an amendment is necessary.

Good Cause. "Good cause" for schedule amendment exists when the D. 18 schedule cannot be met due to circumstances or events either (1) unanticipated in 19 the development of the schedule in Section IV-A of this Consent Decree, or (2) 20 anticipated in the development of the schedule, but which have a greater impact on 21 the schedule than was predicted at the time the schedule was developed (hereafter 22 referred to as "circumstances and events"). However, in any case, good cause 23 does not exist if DOE can nonetheless meet the existing schedule by responding 24 with reasonable diligence to such circumstances or events. Likewise, good cause 25 does not exist if DOE could have met the existing schedule if it had responded 26

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with reasonable diligence to the circumstance(s) or event(s) when it occurred. 1 Budget requests, funding levels and efficient management practices are 2 appropriate considerations in determining whether reasonable diligence exists. 3 The exercise of reasonable diligence is not expected to normally require an 4 expenditure of funds beyond those set out in Attachment B to this Decree 5 (Projected Fiscal Year Funding Requirements for Work Required Under this 6 Decree), unless additional expenditures are necessitated by inefficient 7 management practices. 8

1. a. Both parties to this Consent Decree understand that to develop this schedule, assumptions had to be made in the Interim Stabilization Project Plan about events or unforeseen circumstances that might arise which could affect the schedule. As part of this process, further assumptions had to be made about the likelihood of such events or unforeseen circumstances occurring, and if they did occur, what effect that might have on the schedule.

b. The schedule assumes that, to some extent, unforeseen events will occur, or unforeseen circumstances will be discovered. A certain amount of "allowance" is built into the interim stabilization project plan underlying the schedule to allow DOE to respond to such events and circumstances and still meet the schedule. However, it is possible that unexpected events and/or circumstances will arise whose effect on the schedule exceeds this allowance.

c. If events or circumstances occur that will delay the completion of work beyond the deadlines in the schedule, and the delay cannot be or could not have been avoided by DOE responding to the event or circumstance with reasonable diligence, then "good

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cause" exists for extending the schedule. Although such events or circumstances cannot, by their nature, be fully anticipated and controlled, the parties can identify in advance three general types of such events and/or circumstances:

(1) Safety concerns. In the past, unforeseen safety concerns have arisen that have required extending the schedule. Depending on the nature of unforeseen safety concerns and the time required to address those concerns, such safety concerns may constitute "good cause."

(2) Unknown technical obstacles. The wastes contained within each tank or group of tanks have their own unique characteristics. Sometimes, previously unknown waste characteristics present technical obstacles to pumping the tanks. Depending on the nature of the technical problem and the time required to address the problem, such unknown obstacles may constitute "good cause."

(3) Equipment failures. The assumptions underlying the schedule anticipate that some failures of certain kinds of equipment will occur. DOE has built time into the schedule to respond to some level of equipment failures. However, it is possible that equipment failures will take place beyond what is anticipated in the assumptions underlying the schedule. Depending on the frequency and type of equipment failures, such failures may constitute "good cause."

2. In any request for amendment, DOE shall identify the good cause that, in its view, justifies amendment. If the State agrees that good

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cause exists, the parties shall agree to an appropriate amendment. If the State does not agree that good cause exists, DOE may invoke the dispute resolution process set forth in Section VIII of this Decree.

E. <u>Force Majeure</u>. The parties agree that some events are of such a magnitude that they will be presumed to justify amendment. Extensions of the schedule shall be equal to the number of days during which work is interrupted due to *force majeure* events. These events include; but are not limited to:

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1. Acts of God, fire, war, insurrection, civil disturbance, or explosion;

2. Significant adverse weather conditions that could not have been reasonably anticipated;

3. Restraint by court order;

4. Inability to obtain, at reasonable cost and after exercise of reasonable diligence, any necessary authorizations, approvals, permits or licenses due to action or inaction of any governmental agency or authority other than DOE or its authorized contractors;

5. Any strike or similar work stoppage resulting from labor dispute; and

6. Unavailability or insufficiency of funds due to a shut-down of the federal government or to the absence of an approved budget for DOE by the beginning of a fiscal year.

Any amendment requested on the grounds that one of the events listed above has occurred will be granted unless the State does not agree that a *force majeure* event has occurred. DOE may pursue dispute resolution regarding this determination under Section VIII of this Decree. If the dispute is not resolved by mutual agreement of the parties, DOE may seek court review, and if the Court

determines that, under the pertinent facts and circumstances, the event does
 constitute a *force majeure* event, the Court shall approve the requested extension.

Whenever a *force majeure* event occurs, DOE shall exercise its best efforts
to complete the affected work in accordance with the original schedule.

5 F. <u>Unforeseen Safety Concerns</u>. If a previously unknown safety 6 concern raised as an unreviewed safety question arises that affects or will likely 7 affect the schedule in Section IV-A, DOE shall take the following steps:

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1. Within three (3) working days of the declaration of an . unreviewed safety question, notify Ecology that an issue exists, the nature of the issue, and any actions taken in accordance with the facility authorization procedures.

 No more than 45 days after the notification in Section VI-F-1,
 DOE shall develop and submit to Ecology a Safety Issue Resolution Plan (SIRP) that identifies the following:

a. the issue and its technical basis, its probability of occurrence, consequences of occurrence, and any threat to human health and the environment that would result if DOE adhered to the schedule in Section IV-A in light of the safety issue;

b. the impacts that the safety issue will have on the schedule in Section IV-A;

c. required administrative, procedural, technical, and operational issues that must be resolved in order for work to continue;

d. a schedule and necessary resources to resolve the safety issue in order to allow the resumption of work in the event that work was stopped because of the safety issue;

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e. the management process to be used to resolve the safety issue;

f. any pertinent information not already provided to Ecology; and

g. a request for a schedule amendment as set forth in Section VI-G below. In the event that the impact on the schedule cannot be adequately determined until the analysis of the unreviewed safety question is completed, DOE will advise Ecology of its initial estimate of schedule impact and a date by which it will submit the required request for schedule amendment.

3. If Ecology agrees, based on the information provided in the SIRP and any other information, whether oral or written, provided by DOE, that good cause exists for a schedule amendment, then the State shall determine, in its sole discretion, whether the amendment constitutes a significant modification to the Consent Decree. If the amendment is significant, then the State and DOE shall take public comment on the amendment. Unless public comments disclose facts or considerations which indicate that the amendment is inappropriate, the parties shall submit the amendment to the Court for its approval. In the event that Ecology does not agree, either before or after any public comment period, that good cause exists, DOE may invoke the dispute resolution procedures in Section VIII.

G. <u>Proposals to Amend</u>. Any proposal to amend the schedule shall be
 submitted in writing to the other party and shall specify the following:

- The particular deadline(s) for which the amendment is sought;
 The length of the extension(s) sought;
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3. The good cause or force majeure event that is the basis for the amendment; and

Any other requirement of this Consent Decree or of the 4. HFFACO that would be affected if the proposal to amend the schedule were accepted.

Any proposal to amend any other provision of this Consent Decree shall be in 6 writing and shall identify: 7

> Those portions of the Consent Decree to be amended; 1.

2. The proposed new language to be included in the Consent Decree: and

> The reason for the proposed amendment. 3.

VII. FUNDING

Funding relating to implementing the schedule. A.

14 DOE agrees to advise the State of its efforts to obtain the appropriated funding necessary to implement this Decree. If DOE asserts that appropriated 16 funds necessary to fulfill an obligation under this Decree are not available, the 17 parties agree to utilize the dispute resolution procedures of Section VIII to discuss whether the State will, in its sole discretion, agree to make appropriate adjustments to the deadlines for obligations that require the payment or obligation of such funds. If no agreement is reached, the Parties agree that in any judicial proceeding to enforce the terms of this Decree and/or to find DOE in contempt for failure to 22 comply or for delay in compliance with such terms, DOE may raise as a defense that its failure or delay was caused by the unavailability of appropriated funds. 24 The State disagrees that lack of appropriations or funding is a valid defense. However, DOE and the State agree and stipulate that it is premature at this time to 26

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raise and adjudicate the existence of such a defense. This provision does not
 constitute a waiver by DOE that its obligations under this Decree are subject to the
 provisions of the Anti-Deficiency Act, 31 U.S.C. § 1341, nor does it constitute a
 waiver by the State that DOE's obligations under this Decree are not subject to the
 Anti-Deficiency Act.

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B. Funding relating to milestones in the HFFACO.

If DOE does not have adequate funding to comply with this Decree and all.
of the requirements of the HFFACO, DOE will likely request extensions of some
current HFFACO milestones for work that it believes is of a lower priority than
the work to be performed under this Decree. The State will review such requests
in good faith and will grant such requests when it deems it appropriate to do so
under the terms of the HFFACO, and, when required, EPA concurs.

Nothing in the above paragraph shall be used to constrict in any way
DOE's, EPA's, or Ecology's rights under the HFFACO. In particular, nothing in
the above paragraph shall supersede or amend the procedures set forth in
paragraphs 148 and 149 of the HFFACO.

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VIII. RESOLUTION OF DISPUTES

The parties recognize that a dispute may arise regarding the proper Α. 18 interpretation of this Decree or whether or how the Decree should be amended. If 19 such a dispute arises, the parties will endeavor to settle it by good faith 20 negotiations among themselves. The party invoking dispute resolution shall send 21 to the other party a written demand for immediate commencement of good faith 22 negotiations to endeavor to settle the dispute. If the parties cannot resolve the 23 issue within a reasonable time, not to exceed forty (40) calendar days from the 24 date of the written demand for good faith negotiations, then either party may seek 25 appropriate relief from the Court as set out hereinafter in paragraph B. Either 26

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party may request a meeting among technical and/or management representatives
 from their respective organizations, including the Interagency Management
 Integration Team at any time during the dispute resolution.

B. If the dispute does not resolve within 40 days from the date of the
written demand for good faith negotiations of the dispute, either party may petition
the Court for relief. A petition seeking appropriate relief from the Court shall be
filed within thirty (30) calendar days of the end of the 40-day period provided for
in Section VIII-A.

Applicability Of Deadlines During Dispute Resolution. Deadlines C. 9 established in the schedule in Section IV-A shall continue in force unless and until 10 changed by the Court. Notwithstanding the foregoing sentence, if DOE has 11 requested an extension of a deadline, DOE shall not be deemed to be in violation 12 of that deadline while DOE's request is being evaluated. This period shall run 13 from the time that DOE submits a request for schedule amendment as provided in 14 Section VI-A or Section VI-F through the date on which the Court acts on the 15 request. 16

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IX. COVENANT NOT TO SUE

A. The State hereby covenants not to bring any civil, judicial, or administrative action against DOE, its officials or employees, or its contractors or their subcontractors, their officials, or employees, with respect to matters covered by this Decree. "Matters covered" by this Decree are requirements for interim stabilizing, or removing pumpable liquid from, 29 single-shell tanks at the Hanford Site. This covenant not to sue is conditioned upon DOE's complete performance of its obligations under this Decree.

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This Decree in no way affects or relieves DOE of responsibility to B. 1 comply with any other State, Federal, or local law or regulation. Both parties 2 retain all of their rights and defenses with respect to matters not covered in this 3 Decree. The State expressly reserves for further action or enforcement and its 4 execution of this Decree does not discharge, release, or in any way affect any 5 right, demand, claim, or cause of action that it has, or may have, regarding DOE's 6 environmental liabilities at the Hanford Site other than the interim stabilization, 7 program, including, without limitation, any other alleged noncompliance with the. 8 HFFACO, and any other environmental liability caused by or resulting from leaks, 9 releases, or discharges from the single-shell tanks at the Hanford Site. 10

C. Notwithstanding any other provision of this Decree, the State reserves the right to seek amendment of this Decree, or to take action outside of this Decree, if previously unknown information is received, or previously undetected conditions are discovered, and these previously unknown conditions or information together with any other relevant information indicates that the work to be performed and schedule under this Decree are not protective of human health or the environment.

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X. RETENTION OF JURISDICTION

¹⁹ This Court retains jurisdiction over both the subject matter of this Decree ²⁰ and the parties for the duration of the performance of the terms and conditions of ²¹ this Decree for the purpose of enabling any of the parties to apply to the Court at ²² any time for such further order, direction, sanction or other relief as may be ²³ necessary or appropriate for the construction or modification of this Decree, or to ²⁴ effectuate or enforce compliance with its terms, or to resolve disputes in ²⁵ accordance with Section VIII, Resolution of Disputes.

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XI. CONSTRUCTION AND USE OF CONSENT DECREE

A. <u>Construction of Consent Decree</u>. This Consent Decree is the product of negotiation by the parties. Both parties contributed to its drafting. In any dispute over the meaning of any provision of this Consent Decree, the parties shall be treated as having contributed equally to the drafting of that provision.

Restrictions On Use In Other Proceedings. It is DOE's position B. 6 that, until waiver or exhaustion of its appeal rights regarding a particular milestone. 7 under the HFFACO, the State may not bring a judicial action regarding that 8 milestone. The State disagrees with this position. In order to reach agreement on 9 10 this Consent Decree with the State, without adjudicating this issue, DOE hereby waives its appeal rights under the HFFACO to the Pollution Control Hearings 11 Board with respect to the remaining M-41 milestones for interim stabilization of 12 the single-shell tanks. Moreover, the parties agree that neither this Consent 13 Decree, nor any of its provisions, may be used in any future proceeding by DOE, 14 the State, or any other party to determine or resolve this issue. 15

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XII. EFFECT OF DECREE ON HFFACO MILESTONES

Upon entry of this Decree, the State covenants not to enforce the series M-41 Single-Shell Tank Interim Stabilization Milestones and Milestone M-40-07 in the HFFACO. After entry of this Decree, the parties, with EPA's concurrence, will amend the HFFACO to delete the M-41 milestones in their entirety and to delete Milestone M-40-07.

Nothing in this Consent Decree shall give the Court jurisdiction over any of the HFFACO milestones.

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XIII. EFFECTIVE AND TERMINATION DATI	XIII.	. EFFECTIVE	AND TERMI	NATION DATE:
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A. This Consent Decree shall be effective upon the date of its entry by the Court.

B. This Consent Decree shall terminate when all work to be performed under the Decree has been completed. The parties will notify the Court of this event by a motion to terminate the Consent Decree.

ember DATED this 77 day of

United States District Judge

FOR THE STATE OF WASHINGTON 1 DEPARTMENT OF ECOLOGY 2 3 TOM FAYZSIMMONS 4 Director Washington Department of Ecology 6 300 Desmond Drive Lacey, WA 98503 7 8 9 CHRISTINE O. GREGOIRE 10 Attorney General 11 12 13 WSBA #17498 14 Assistant Attorney General 15 Attorneys for Plaintiff 16 Attorney General of Washington **Ecology** Division 17 P.O. Box 40117 Olympia, WA 98504-0117 18 (360) 459-6320 19 20 21 22 23 24 25 26 Vinterim fed suit consent decree final

FOR THE UNITED STATES DEPARTMENT OF ENERGY

KEITH A. KLEIN Manager Richland Operations Office

Manager Office of River Protection

ROBERT M. CAROSINO Acting Chief Counsel Richland Operations Office

U.S. Department of Energy P.O. Box 550 Richland, WA 99502

LOIS J. SCHIFFER Assistant Attorney General Environment and Natural Resources Division

MICHAEL J. WSBA #21292

Attorney For Defendant United States Department of Justice Environmental Defense Section c/o NOAA/Damage Assessment 7600 Sand Point Way, N.E. Seattle, WA 98115-0070 (206) 526-6607

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CONSENT DECREE ATTACHMENT A

Following is the schedule for pumping liquid waste from the remaining twenty-nine (29) single-shell tanks This schedule is enforceable pursuant to the terms of the Decree except for the "Projected Pumping Completion Dates" which are estimates only and not enforceable.

* *	Tank Designation	Pumping Initiated	Projected Pumping Completion Date
1.	T-104	Already initiated	May 30, 1999
2.	T-110	Already initiated	May 30, 1999
3.	SX-104	Already initiated	December 30, 2000
4.	SX-106	Already initiated	December 30, 2000
5.	S-102	July 31, 1999	March 30, 2001
6.	S-106	July 31, 1999	March 30, 2001
7.	S-103	July 31, 1999	March 30, 2001
8.	U-103*	June 15, 2000	April 15, 2002
9.	U-105*	June 15, 2000	April 15, 2002
10.	U-102*	June 15, 2000	April 15, 2002
11.	U-109*	June 15, 2000	April 15, 2002
12.	A-101	October 30, 2000	September 30, 2003
13.	AX-101	October 30, 2000	September 30, 2003
14.	SX-105	March 15, 2001	February 28, 2003
15.	SX-103	March 15, 2001	February 28, 2003
16.	SX-101	March 15, 2001	February 28, 2003
17.	U-106*	March 15, 2001	February 28, 2003
18.	BY-106	July 15, 2001	June 30, 2003
19.	BY-105	July 15, 2001	June 30, 2003
20.	U-108	December 30, 2001	August 30, 2003
21.	U-107	December 30, 2001	August 30, 2003
22.	S-111	December 30, 2001	August 30, 2003
23.	SX-102	December 30, 2001	August 30, 2003

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	Tank Designation	Pumping Initiated	Projected Pumping Completion Date
24.	U-111	November 30, 2002 ·	September 30, 2003
25.	S-109	November 30, 2002	September 30, 2003
26.	S-112	November 30, 2002	September 30, 2003
27.	S-101	November 30, 2002	September 30, 2003
28.	S-107	November 30, 2002	September 30, 2003
29. *Tan		whether the organic layer	0, 2000, DOE will determine and pumpable liquids will be together or separately, and will itiating pumping of this tank. The e initiation deadline into this ection VI of the Decree.
	Completion of	f Interim Stabilization. D	OOE will complete interim
stabil	ization of all 29	single-shell tanks listed ab	oove by September 30, 2004.
	Percentage of	Pumpable Liquid Remai	ning to be Removed.
	93% of Total I	Liquid	9/30/1999
	38% of Organi	iquids 9/30/2000	
	5% of Organic	uids 9/30/2001	
	18% of Total I	Liquid	9/30/2002
	2% of Total Li	9/30/2003	
	The "percentag	ge of pumpable liquid rema	ining to be removed" is calculated
by di	viding the volur	ne of pumpable liquid rema	aining to be removed from tanks
not y	et interim stabil	ized by the sum of the total	amount of liquid that has been
pump	ed and the pum	pable liquid that remains to	o be pumped from all tanks.
	The parties to	this Decree recognize that	the "remaining pumpable liquids"
volur	ne is a best proj	ection and may vary. By C	October 31, 1999 and each year
there	after until the w	ork is completed, the DOE	will include in its final quarterly
		year the following informat	

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- The volume of pumpable liquid actually removed for the previous year;
- Cumulative volume to date.

This information will be utilized to assess compliance with the milestones above. 3 Also included in this quarterly report will be an updated projection of the 4 pumpable liquids remaining in the tanks addressed by this Decree. This updated 5 projection will be used to assess future compliance with these milestones. The 6 current projection is that the tanks contain approximately 6.2 million gallons of 7 "remaining pumpable liquid." The addition of dilution water to tanks shall not be 8 counted towards the pumpable liquid volume or the liquid volume remaining to be 9 removed. 10

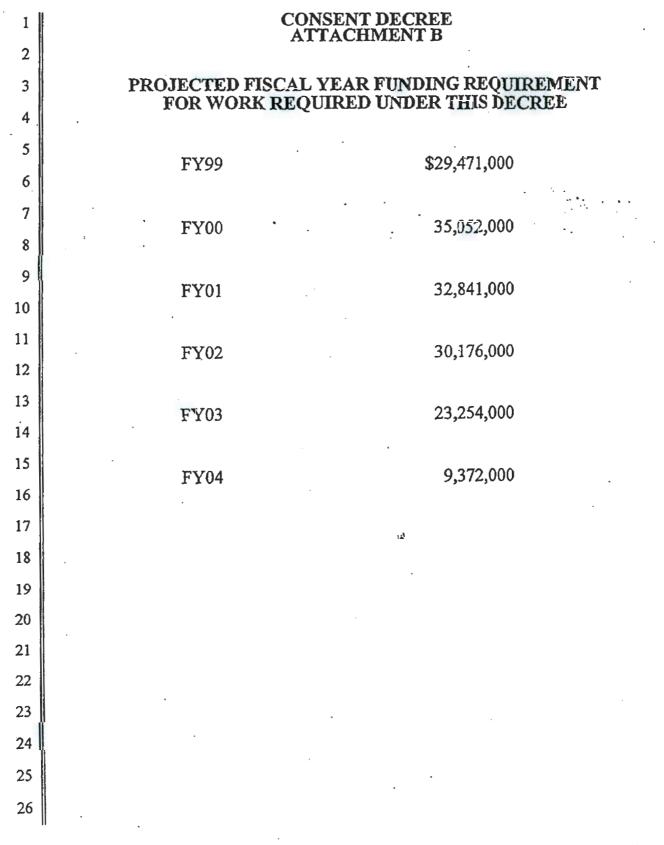
DOE currently estimates approximately 900,000 gallons of organic
 complexed pumpable liquids are contained in tanks U-103, U-105, U-102, U-109,
 and U-106.

Definition of "Initiate." For purposes of this Decree, tank pumping is
"initiated" when actual pump operation has commenced, and the pumping achieves
a 60% operating efficiency over a 72-hour consecutive period, and transfers a total
of not less than 500 gallons.

Definition of "Interim Stabilized." For purposes of this Decree, a single-18 shell tank has been "interim stabilized" and tank pumping may be discontinued 19 when the tank contains less than 50,000 gallons of drainable interstitial liquid and 20 less than 5,000 gallons of supernatant liquid. In addition, if jet pumping is used, 21 the pump flow must be at 0.05 gpm or less before pumping may be discontinued. 22 If a major equipment failure occurs at a tank that contains less than 50,000 gallons 23 of drainable interstitial liquid and less than 5,000 gallons of supernatant, then DOE 24 may, after consulting with Ecology, consider the tank interim stabilized. 25

26

CONSENT DECREE – 21 ATTACHMENT A



CONSENT DECREE - :22 ATTACHMENT B